

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Benz et al. Group Art Unit: 1713
Serial No.: 10/663,926 Examiner: Unassigned
Confirmation No.: 2299
Filed: September 16, 2003 Docket No.: P-10909.00
(M&R 134.01910101)
Title: COMPOUNDS CONTAINING QUATERNARY CARBONS AND SILICON-CONTAINING GROUPS, MEDICAL DEVICES, AND METHODS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

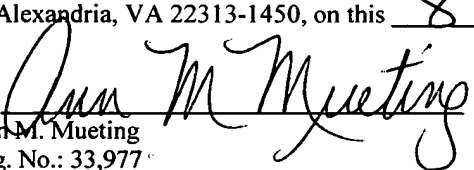
- ☒ An itemized return postcard.
☐ A Petition for Extension of Time for ___ month(s) and a check in the amount of \$ ___ for the required fee.
☒ An Information Disclosure Statement (2 pgs); copies of 2 applications; 1449 forms (5 pgs); and copies of 33 documents cited on the 1449 forms.
☐ A check in the amount of \$ ___, for ____.
☐ A certified copy of a ___ application, Serial No. ___, filed _____, the right of priority of which is claimed under 35 U.S.C. §119.
☐ Other: _____
☐ Amendment ___ No Additional fee is required. ___ The fee has been calculated as shown:

Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims				x \$18 =	
Independent Claims				x \$86 =	
One or More New Multiple Dependent Claims Presented? If Yes, Add \$290 Here →					
Total Additional Claim Fees Required					

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

CERTIFICATE UNDER 37 C.F.R. §1.8: The undersigned hereby certifies that this Transmittal Letter and the paper(s), as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 8 day of JANUARY, 2004.

MUETING, RAASCH & GEBHARDT, P.A.
Customer Number: 26813

By: 
Ann M. Mueting
Reg. No.: 33,977
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(LARGE ENTITY TRANSMITTAL UNDER RULE 1.8)



PATENT
Docket No. P-10909.00
(M&R 134.01910101)

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. As this patent application was filed after June 30, 2003, copies of the U.S. patents and U.S. patent application publications listed on the attached 1449 form(s) have not been submitted. Pursuant to the provisions of M.P.E.P. § 609, Applicants further request that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Applicants also wish to bring the Examiner's attention to the following pending U.S. Applications, as well as any documents, Office Actions that may include rejections of similar claims, and any provisional U.S. patent applications referenced in the pending U.S. applications or in their file wrappers. A copy of each of the below-listed pending U.S. Patent Applications is provided herewith.

Information Disclosure Statement

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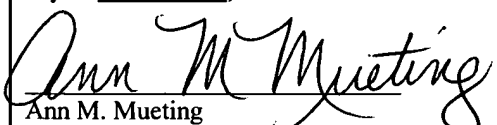
Page 2 of 2

**List of Pending Non-Published U.S. Patent Applications**

Applicant(s)	Application Number	Filing Date	Serial No. of Provisional Application to which listed Application claims priority
Benz et al.	10/663,925	09/16/03	60/411,818 and 60/459,299
Benz et al.	10/246,807	09/17/02	N/A

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

CERTIFICATE UNDER 37 C.F.R. 1.8:
The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this <u>8</u> day of JANUARY, 2004 .
 Ann M. Mueting

Respectfully submitted for

Benz et al.

By

Mueting, Raasch & Gebhardt, P.A.

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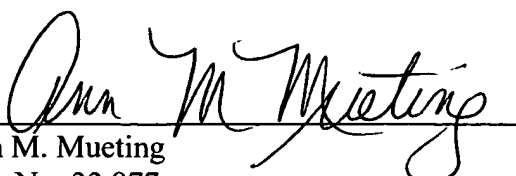
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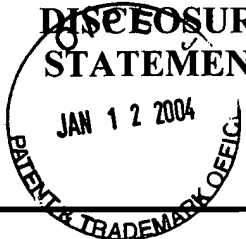
Facsimile: (612)305-1228

Customer Number 26813

Date January 8, 2004

By:

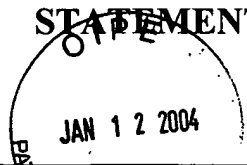

Ann M. Mueting
Reg. No. 33,977
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	Applicant(s): Benz et al.	Confirmation No.: 2299
	Application Filing Date: Sept. 16, 2003	Group: 1713
	Information Disclosure Statement mailed: JANUARY <u>8</u> , 2004	

U.S. PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		4,276,394	06/30/81	Kennedy et al.			
		4,316,973	02/23/82	Kennedy et al.			
		4,568,732	02/04/86	Kennedy et al.			
		4,746,715	05/24/88	Dworczak et al.			
		4,873,308	10/10/89	Coury et al.			
		4,883,854	11/28/89	Coury et al.			
		4,946,899	08/07/90	Kennedy et al.			
		5,040,544	08/20/91	Lessar et al.			
		5,073,381	12/17/91	Ivan et al.			
		5,110,885	05/05/92	Wagener et al.			
		5,147,725	09/15/92	Pinchuk			
		5,238,006	08/24/93	Markowitz			
		5,290,895	03/01/94	Wagener et al.			
		5,340,881	08/23/94	Kennedy et al.			
		5,375,609	12/27/94	Molacek et al.			
		5,476,509	12/19/95	Keogh et al.			
		5,480,421	01/02/96	Otten			
		5,663,245	09/02/97	Kennedy et al.			
		5,736,251	04/07/98	Pinchuk			
		5,741,331	04/21/98	Pinchuk			
		5,986,034	11/16/99	DiDomenico et al.			
		6,102,939	08/15/00	Pinchuk			

EXAMINER	Date Considered
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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		6,111,052	08/29/00	DiDomenico et al.			
		6,149,678	11/21/00	DiDomenico et al.			
		6,197,240 B1	03/06/01	Pinchuk			
		2002/0028901 A1	03/07/02	Gunatillake et al.			
		2003/0125499 A1	07/03/03	Benz et al.			

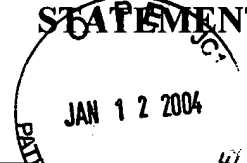
FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	X	EP 0 821 973 A2 & A3	04/02/98	Europe				
	X	EP 0 953 622	11/03/99	Europe				
	X	GB 2111067	06/29/83	Great Britain				
	X	WO 91/11468 A1	08/08/91	PCT				
	X	WO 97/00293 A1	01/03/97	PCT				
	X	WO 97/02305 A1	01/23/97	PCT				
	X	WO 98/05701 A1	02/12/98	PCT				
	X	WO 98/54242 A1	12/03/98	PCT				
	X	WO 99/03863 A1	01/28/99	PCT				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
	X	Bielawski et al., "Highly Efficient Syntheses of Acetoxy- and Hydroxy-Terminated Telechelic Poly(butadiene)s Using Ruthenium Catalysts Containing <i>N</i> -heterocyclic Ligands," <i>Polymer</i> , 2001;42:4939-4945.


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	X	Blackwell et al., "New Approaches to Olefin Cross-Metathesis," <i>J. Am. Chem. Soc.</i> , 2000;122:58-71.
	X	Coury et al., "Biomedical Uses of Polyurethanes," in <i>Advances in Urethane Science and Technology</i> , 9:130-168, edited by Frisch et al., Technomic Publishing Co., Lancaster, PA (1984).
	X	Gibson et al., "Synthesis of End-Functionalized Polynorbornenes and Polynorbornanes via Metathesis: Novel Macromonomers for Polycondensation Reactions," <i>Macromolecules</i> , 2000;33:655-656.
	X	Hillmyer et al., "Preparation of Hydroxytelechelic Poly(butadiene) via Ring-Opening Metathesis Polymerization Employing a Well-Defined Metathesis Catalyst," <i>Macromolecules</i> , 1993;26:872-874.
	X	Hillmyer et al., "Utility of a Ruthenium Metathesis Catalyst for the Preparation of End-Functionalized Polybutadiene," <i>Macromolecules</i> , 1997;30:718.
	X	Hoffman et al., "Safety and Intracardiac Function of a Silicone-Polyurethane Elastomer Designed for Vascular Use," <i>Clin. Mater.</i> , 1993;13(1-4):95-100.
	X	Ishigure et al., "Nuclear Magnetic Resonance Spectra of Isobutylene-Chlorotrifluoroethylene Copolymer. II. Interpretation of Fluorine Resonances in Terms of Tetrads and Their Temperature Dependence," <i>Polym. J.</i> , 1971;2(3):321-327.
	X	Kennedy et al., "Designed Polymers by Carbocationic Macromolecular Engineering: Theory and Practice," Hanser Publishers, 1992, pp. 191-193.
	X	Marmo et al., "Acyclic Diene Metathesis (ADMET) Depolymerization. Synthesis of Mass-Exact Telechelic Polybutadiene Oligomers," <i>Macromolecules</i> , 1993;26:2137-2138.
	X	Marmo et al., "ADMET Depolymerization. Synthesis of Perfectly Difunctional ($f=2.0$) Telechelic Polybutadiene Oligomers," <i>Macromolecules</i> , 1995;28:2602-2606.


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	X	Maughon et al., "Synthesis of Cross-Linkable Telechelic Poly(butenylene)s Derived from Ring-Opening Metathesis Polymerization," <i>Macromolecules</i> , 2000;33:1929-1935.
	X	Odian, "Principles of Polymerization," third ed.; John Wiley & Sons, Inc., New York, NY, 1991, title page, copyright page, and table of contents only (14 pgs. total).
	X	Pinchuk et al., "The Use of Silicone/Polyurethane Graft Polymers as a Means of Eliminating Surface Cracking of Polyurethane Prostheses," <i>J. Biomater. Appl.</i> , 1988 Oct.;3(2):260-296.
	X	Pinchuk et al., "Polyurethane/Silicone Composites as Materials for Long Term Implant in the Human Body," 22nd International SAMPE Technical Conference, Boston, MA, Nov. 6-8, 1990, vol. 22, pp. 133-144.
	X	Pinchuk et al., "Polyurethane/Silicone Composites for Long Term Implant in the Human Body," 49th Annual Technical Conference – Society of Plastic Engineers & Plastic Engineering, 1991, pp. 1802-1804.
	X	Schwendeman et al., "Precisely Placed Gem-Dimethyl Branching in ADMET Polyethylene," <i>Polymer Preprints</i> , 2002;43(1):280.
	X	Schwendeman et al., "Amorphous Telechelic Hydrocarbon Diols by ADMET," <i>Polymer Preprints</i> , 2002;43(1):282.
	X	Shaffer et al., "Metallocene-Catalyzed Copolymerization of Ethylene and Isobutylene to Substantially Alternating Copolymers," <i>Macromolecules</i> , 1998;31:5145-5147.
	X	Smith et al., "Precisely Controlled Methyl Branching in Polyethylene via Acyclic Diene Metathesis (ADMET) Polymerization," <i>Macromolecules</i> , 2000;33:3781-3794.
	X	Speckhard et al., "Ultimate Tensile Properties of Segmented Polyurethane Elastomers: Factors Leading to Reduced Properties for Polyurethanes Based on Nonpolar Soft Segments," <i>Rubber Chem. Technol.</i> , 1986;59:405-431.

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	X	Speckhard et al., "Properties of Polyisobutylene Polyurethane Block Copolymers: 2. Macroglycols Produced by the 'inifer' Technique," <i>Polymer</i> , 1985;26:55-69.
	X	Speckhard et al., "Properties of Polyisobutylene Polyurethane Block Copolymers: 3. Hard Segments Based on 4,4'-Dicyclohexylmethane Diisocyanate (H ₁₂ MDI) and Butane Diol," <i>Polymer</i> , 1985;26:70-78.
	X	Wu et al., "Preparation of Alternating Copolymers from the Ring-Opening Metathesis Polymerization of 3-Methylcyclobutene and 3,3-Dimethylcyclobutene," <i>Macromolecules</i> , 1995;28:3502-3508.

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